



#D0201G Green Cilia-Targeted cADDIs cAMP
#D0211G Ratiometric Cilia-Targeted Green cADDIs cAMP

Materials included

- cADDIs cAMP sensor BacMam 5 mL ~ 2×10^{10} VG/mL in TNM-FH Insect Culture Medium (Allele Biotech product #ABP-MED-10001).
 - Green fluorescent sensor targeted to cilia that decreases in fluorescence intensity in response to increases in cAMP.
 - #D0211G is labeled with a red fluorescent tag for ratiometric measurement.
 - Baculovirus stock should be stored at 4°C and protected from light. Avoid repeated freeze/thaw cycles.
- Sodium Butyrate (Sigma Aldrich product # B5887) 500 mM in H₂O.
 - Sodium Butyrate is added to the culture to maintain BacMam expression. Other HDAC inhibitors may work as well.

Biosafety

BacMam is the modified baculovirus, *Autographa californica*, AcMNPV. Baculovirus is pseudotyped to infect mammalian cells, but it cannot replicate in the cells and its genome is silent in mammalian cells. While it should be handled carefully, in a sterile environment, it is classified as a BSL 1 reagent.

This product is for research use only and is not recommended for use or sale in human or animal diagnostic or therapeutic products.

Detailed protocols are available on the Montana Molecular Website under the Home Page Menu > Protocols

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